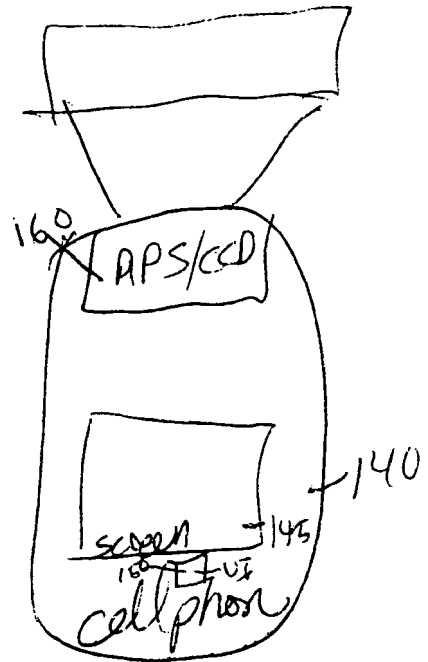


Fig 1A



1B

Basic Idea

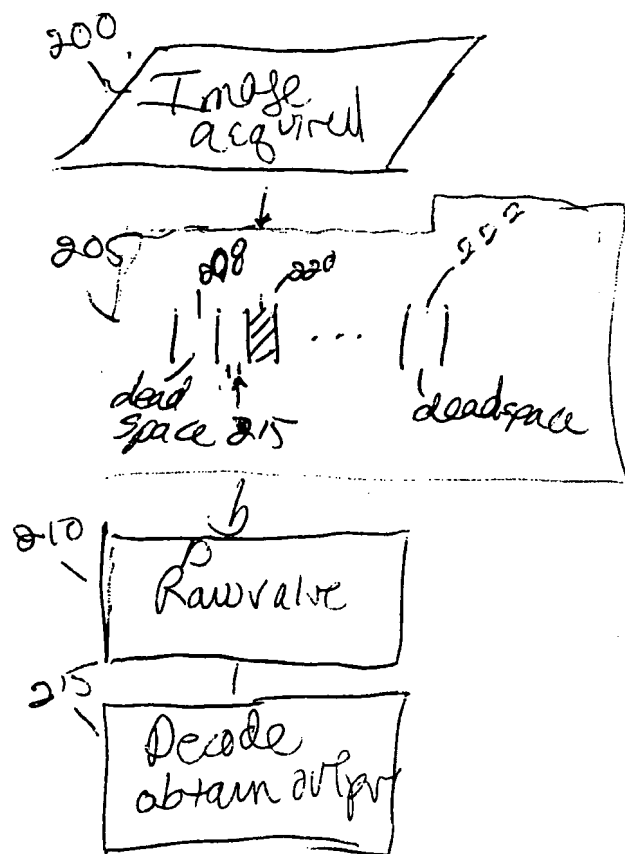
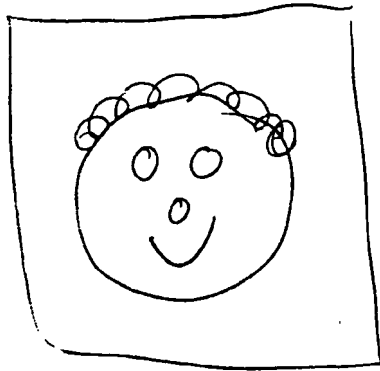


FIG 2

FIG 3



64x64  
8 bit/pixel  
3 colors  
~ 100K  
Bitmap

JPG

300 K bytes

or encrypt  
Private key  
or hash  
cvt 160K into base 41

decrypt  
Public key

cvt base 41 → key code

9 0-9  
37 A-Z  
5 15  
41

Base 41

310 → barcode

encrypt (Private key)

entry → 300

335  
Display

330 305  
load out

DL/Credit card

to avoid the  
"I look so stupid"

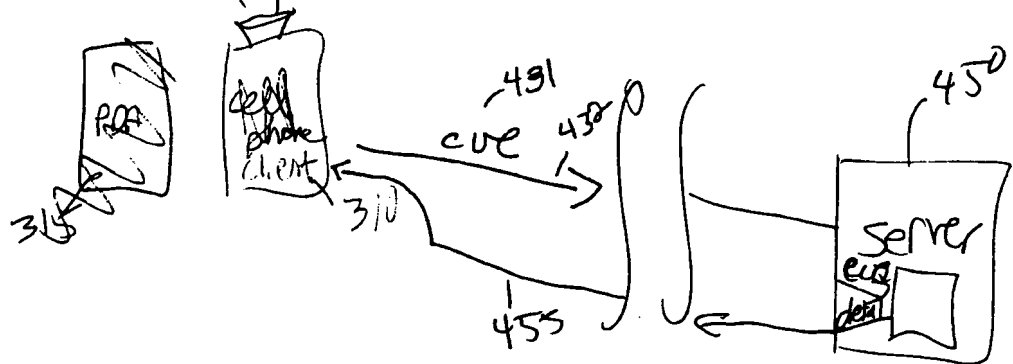
Problem w/  
Smart cards  
expensive

$$141^6 41^5 41^4 41^3 41^2 41 = 41^{21} \approx \frac{3.27 \times 10^{14}}{8} \approx \frac{3}{8} \times 10^{14} \text{ bytes}$$

~~Printed~~  
~~XXXX~~



FIG 4



newfresh.com

From: S@com0.com  
To: X@com0.com

Subject: Bar code meeting

Bar code meeting, tomorrow at 5



FIG 5

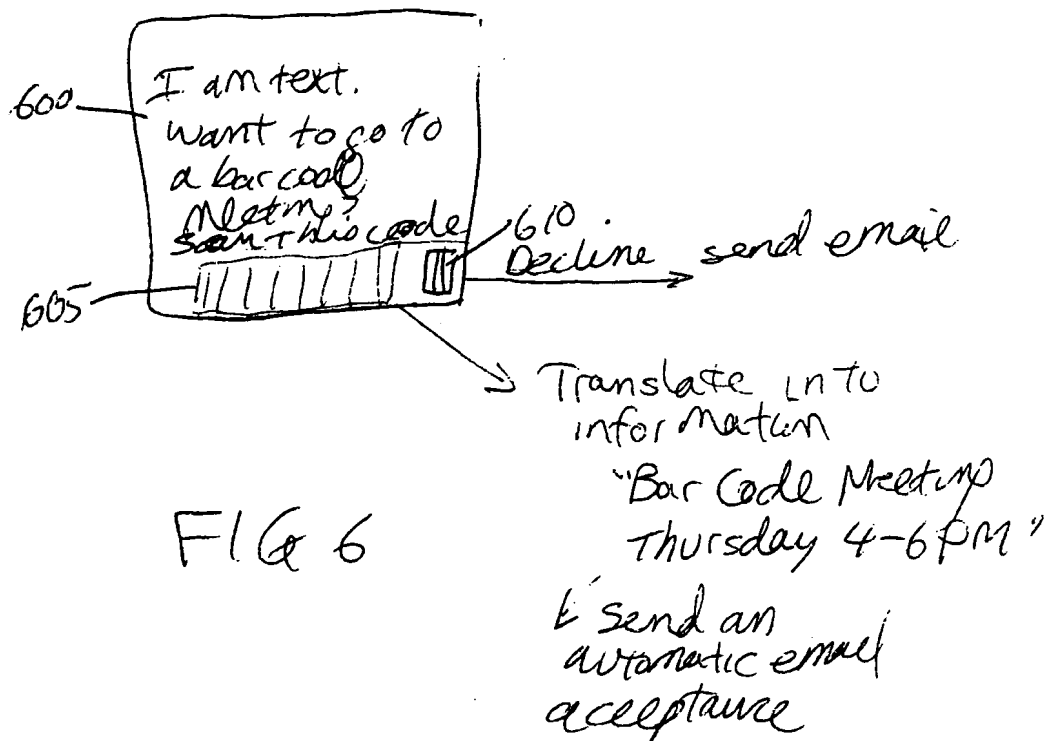


FIG 6

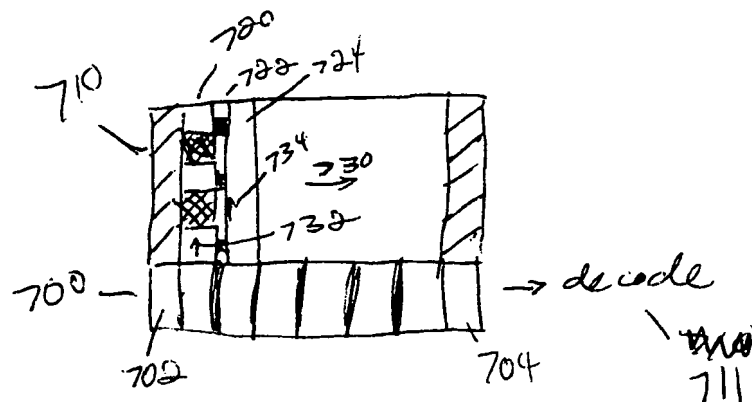


FIG 7A

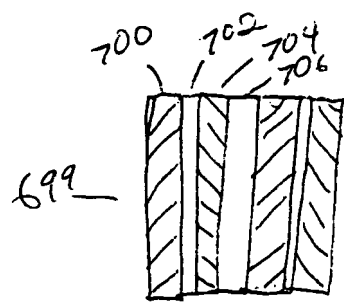


FIG 7B

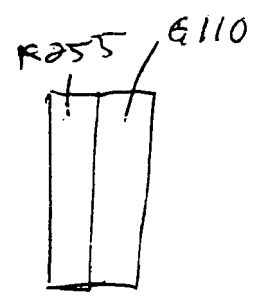


FIG 7C